

REMARKS

Claims 1 and 12 have been amended. Support for these amendments can be found at, for example, page 6, lines 15-29 of Applicants' Specification as filed. Accordingly, no new matter has been added.

Claim Rejections – 35 USC § 103

Claims 1, 3-8, and 10-15 are rejected under 35 USC 103(a) as being unpatentable over U.S. Patent Application Publication No. 2002/0063671 to *Knapp* ("*Knapp*") in view of U.S. Patent No. 7,136,040/Japanese Patent Application Publication No. 2000-310767 to *Park et al.* ("*Park*"). Applicants respectfully traverse, noting that neither reference discloses every element of the claims as amended. More specifically, neither reference discloses simultaneous scanning of first and third gate lines that are farthest from and nearest to, respectively, a second area.

As noted by Examiner, *Knapp* does not disclose the simultaneous scanning of first and third gate lines (Office Action, p. 3). Accordingly, *Knapp* cannot disclose simultaneous scanning of first and third gate lines that are farthest from and nearest to, respectively, a second area.

Park does not cure the deficiency of *Knapp*. Even if *Park* discloses simultaneous scanning of gate lines, *Park* does not disclose that these simultaneously-scanned gate lines are both farthest from, and nearest to, another area that also transmits scanning signals. Rather, as noted by Examiner, *Park* at most discloses simultaneous scanning of gate lines taken from top-to-bottom and bottom-to-top, i.e., gate lines that are equidistant from a second, center area (Office Action, p. 3). Thus, at most, even in combination with *Park*, the "first" and "third" gate lines of *Knapp* would be scanned as pairs equidistant from the intermediate "second" area ($K \sim K+x$), rather than one line farthest from this "second" area and one nearest to it. Applicants' claim 1 as amended is thus patentable over even the combination of *Knapp* and *Park* for at least the reason it recites that "a one of the first gate lines farthest from one of the second areas and a one of the third gate lines nearest to the one of the second areas, or a one of the third gate lines farthest from the one of the second areas and a one of the first gate lines nearest to the one of the second areas, are simultaneously scanned." Similarly, Applicants' claim 12 is patentable over the combination of *Knapp* and *Park* for at least the reason that it recites "sequentially applying scanning signals to the first gate lines and the third gate lines in pairs at the same time, the pairs comprising first gate

lines farthest from one of the second areas and third gate lines nearest to the one of the second areas or third gate lines farthest from the one of the second areas and first gate lines nearest to the one of the second areas.” The remaining pending claims each depend from one of claim 1 and claim 12, and are thus also patentable for at least this same reason.

CONCLUSION

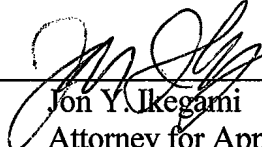
For the reasons stated above, Claims 1, 3-8, and 10-15 are now in condition for allowance. The Directory is hereby authorized to charge any deficiency in fees, or credit any overpayment, to Deposit Account No. 50-2257. Please telephone the undersigned attorney at (408) 392-9250 if there are any questions.

Respectfully submitted,

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Dated: August 29, 2008

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